3/31/05

((385/28.ccls. 385/37.ccls.) and ((multimode or (multi near mode)) with ((single near mode) or (mono near mode) or monomode) with grating)) (385/28.ccls. 385/37.ccls.) and ((multimode or (multi near mode)) with ((single near mode)) or (mono near mode) or monomode) with grating) 385/28.ccls. 385/28.ccls. 385/28.ccls. and grating (385/28.ccls. and grating) and (WDM or multiplex\$7) 385/28.ccls. and (backward near3 coupl\$4) "5949931" 10 "5142596".PN. 11 "5394492".PN. 12 "5559913".PN. 13 "5719976".PN. 14 "6112002".PN. 15 "backward coupler" 16 "permutation switch" 17 "permutation switch" and (WDM or multiplex\$7) 18 optic\$2 near2 waveguid\$3 19 \$18 and ((back or backward) near2 coupl\$4) 20 \$18 and (multimode or (multi adj mode)) 21 \$19 and \$20		Search Text
((385/28.ccls. 385/37.ccls.) and (backward near3 coupl\$4)) and ((385/28.ccls. 385/37.ccls.) and ((multimode or (multi near mode)) with ((single near mode) or (mono near mode) or monomode) with grating)) (385/28.ccls. 385/37.ccls.) and ((multimode or (multi near mode)) with ((single near mode)) or (mono near mode) or monomode) with grating) 5 385/28.ccls. 6 385/28.ccls. and grating (385/28.ccls. and grating) and (WDM or multiplex\$7) 8 385/28.ccls. and (backward near3 coupl\$4) 9 "5949931" 10 "5142596".PN. 11 "5394492".PN. 12 "5559913".PN. 13 "5719976".PN. 14 "6112002".PN. 15 "backward coupler" 16 "permutation switch" 17 "permutation switch" and (WDM or multiplex\$7) 18 optic\$2 near2 waveguid\$3 19 \$18 and ((back or backward) near2 coupl\$4) 20 \$18 and (multimode or (multi adj mode)) 21 \$19 and \$20	1	385/28.ccls. 385/37.ccls.
((385/28.ccls. 385/37.ccls.) and ((multimode or (multi near mode)) with ((single near mode) or (mono near mode) or monomode) with grating)) (385/28.ccls. 385/37.ccls.) and ((multimode or (multi near mode)) with ((single near mode)) or (mono near mode) or monomode) with grating) 385/28.ccls. 385/28.ccls. 385/28.ccls. and grating (385/28.ccls. and grating) and (WDM or multiplex\$7) 385/28.ccls. and (backward near3 coupl\$4) "5949931" 10 "5142596".PN. 11 "5394492".PN. 12 "5559913".PN. 13 "5719976".PN. 14 "6112002".PN. 15 "backward coupler" 16 "permutation switch" 17 "permutation switch" and (WDM or multiplex\$7) 18 optic\$2 near2 waveguid\$3 19 \$18 and ((back or backward) near2 coupl\$4) 20 \$18 and (multimode or (multi adj mode)) 21 \$19 and \$20	2	(385/28.ccls. 385/37.ccls.) and (backward near3 coupl\$4)
mode)) with ((single near mode) or (mono near mode) or monomode) with grating) 385/28.ccls. 385/28.ccls. and grating (385/28.ccls. and grating) and (WDM or multiplex\$7) 385/28.ccls. and (backward near3 coupl\$4) "5949931" "5142596".PN. "5394492".PN. "5559913".PN. "5719976".PN. "6112002".PN. "backward coupler" "mermutation switch" "permutation switch" and (WDM or multiplex\$7) soptic\$2 near2 waveguid\$3 S18 and ((back or backward) near2 coupl\$4) S18 and (multimode or (multi adj mode)) S19 and S20	3	mode)) with ((single near mode) or (mono near mode) or
 385/28.ccls. and grating (385/28.ccls. and grating) and (WDM or multiplex\$7) 385/28.ccls. and (backward near3 coupl\$4) "5949931" "5142596".PN. "5394492".PN. "5559913".PN. "5719976".PN. "6112002".PN. "backward coupler" "permutation switch" "permutation switch" and (WDM or multiplex\$7) optic\$2 near2 waveguid\$3 S18 and ((back or backward) near2 coupl\$4) S18 and (multimode or (multi adj mode)) S19 and S20 	4	mode)) with ((single near mode) or (mono near mode) or
7 (385/28.ccls. and grating) and (WDM or multiplex\$7) 8 385/28.ccls. and (backward near3 coupl\$4) 9 "5949931" 10 "5142596".PN. 11 "5394492".PN. 12 "5559913".PN. 13 "5719976".PN. 14 "6112002".PN. 15 "backward coupler" 16 "permutation switch" 17 "permutation switch" and (WDM or multiplex\$7) 18 optic\$2 near2 waveguid\$3 19 S18 and ((back or backward) near2 coupl\$4) 20 S18 and (multimode or (multi adj mode)) 21 S19 and S20	5	
 385/28.ccls. and (backward near3 coupl\$4) "5949931" "5142596".PN. "5394492".PN. "5719976".PN. "6112002".PN. "backward coupler" "permutation switch" "permutation switch" and (WDM or multiplex\$7) optic\$2 near2 waveguid\$3 S18 and ((back or backward) near2 coupl\$4) S18 and (multimode or (multi adj mode)) S19 and S20 	6	385/28.ccls. and grating
 "5949931" "5142596".PN. "5394492".PN. "5559913".PN. "6112002".PN. "backward coupler" "permutation switch" "permutation switch" and (WDM or multiplex\$7) optic\$2 near2 waveguid\$3 S18 and ((back or backward) near2 coupl\$4) S18 and (multimode or (multi adj mode)) S19 and S20 	7	(385/28.ccls. and grating) and (WDM or multiplex\$7)
 "5142596".PN. "5394492".PN. "5559913".PN. "5719976".PN. "6112002".PN. "backward coupler" "permutation switch" "permutation switch" and (WDM or multiplex\$7) optic\$2 near2 waveguid\$3 S18 and ((back or backward) near2 coupl\$4) S18 and (multimode or (multi adj mode)) S19 and S20 	8	385/28.ccls. and (backward near3 coupl\$4)
 "5394492".PN. "5559913".PN. "5719976".PN. "6112002".PN. "backward coupler" "permutation switch" "permutation switch" and (WDM or multiplex\$7) optic\$2 near2 waveguid\$3 S18 and ((back or backward) near2 coupl\$4) S18 and (multimode or (multi adj mode)) S19 and S20 	9	"5949931"
 "5559913".PN. "5719976".PN. "6112002".PN. "backward coupler" "permutation switch" "permutation switch" and (WDM or multiplex\$7) optic\$2 near2 waveguid\$3 S18 and ((back or backward) near2 coupl\$4) S18 and (multimode or (multi adj mode)) S19 and S20 	10	"5142596".PN.
 "5719976".PN. "6112002".PN. "backward coupler" "permutation switch" "permutation switch" and (WDM or multiplex\$7) optic\$2 near2 waveguid\$3 \$18 and ((back or backward) near2 coupl\$4) \$18 and (multimode or (multi adj mode)) \$19 and \$20 	11	"5394492".PN.
 "6112002".PN. "backward coupler" "permutation switch" "permutation switch" and (WDM or multiplex\$7) optic\$2 near2 waveguid\$3 S18 and ((back or backward) near2 coupl\$4) S18 and (multimode or (multi adj mode)) S19 and S20 	12	"5559913".PN.
 "backward coupler" "permutation switch" "permutation switch" and (WDM or multiplex\$7) optic\$2 near2 waveguid\$3 S18 and ((back or backward) near2 coupl\$4) S18 and (multimode or (multi adj mode)) S19 and S20 	13	"5719976".PN.
 "permutation switch" "permutation switch" and (WDM or multiplex\$7) optic\$2 near2 waveguid\$3 S18 and ((back or backward) near2 coupl\$4) S18 and (multimode or (multi adj mode)) S19 and S20 	14	"6112002".PN.
17 "permutation switch" and (WDM or multiplex\$7) 18 optic\$2 near2 waveguid\$3 19 S18 and ((back or backward) near2 coupl\$4) 20 S18 and (multimode or (multi adj mode)) 21 S19 and S20	15	"backward coupler"
18 optic\$2 near2 waveguid\$3 19 S18 and ((back or backward) near2 coupl\$4) 20 S18 and (multimode or (multi adj mode)) 21 S19 and S20	16	"permutation switch"
19 S18 and ((back or backward) near2 coupl\$4) 20 S18 and (multimode or (multi adj mode)) 21 S19 and S20	17	"permutation switch" and (WDM or multiplex\$7)
20 S18 and (multimode or (multi adj mode))21 S19 and S20	18	optic\$2 near2 waveguid\$3
21 S19 and S20	19	S18 and ((back or backward) near2 coupl\$4)
21 S19 and S20	20	S18 and (multimode or (multi adj mode))
	21	S19 and S20
22 S18 and (single adj mode)	22	S18 and (single adj mode)
 22 S18 and (single adj mode) 23 S19 and S20 and S21 24 S19 and S20 and S22 	23	S19 and S20 and S21
24 S19 and S20 and S22	24	S19 and S20 and S22

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25	WDM or DWDM or (wavelength adj division adj multiplex\$6) or
	(wavelength adj division adj demultiplex\$6)
26	S25 and optic\$2
27	S25 and S18
28	S27 and (multimode or (multi adj mode))
29	S28 and (single adj mode)
30	S29 and (((back or backward) near2 coupl\$4) or grating)
31	S30 and ((((back or backward) near2 coupl\$4) or grating) with ((multimode or (multi adj mode)) and (single adj mode)))
32	S30 and ((((back or backward) near2 coupl\$4) or grating) same ((multimode or (multi adj mode)) and (single adj mode)))
33	S32 not S31
34	(385/28 385/37 385/50 398/48 398/68 398/82-88).ccls.
35	S34 and waveguide
36	S35 and multiplex\$6
37	S36 and (((back or backward) near2 coupl\$4) or grating)
38	S34 and (multimode or (multi adj mode))
39	S38 and (single adj mode)
40	S39 and waveguide
41	S40 not (S23 S31 S33)
42	"6519063"
43	"6025939".PN.
44	"5818986".PN.
45	"5768450".PN.
46	"6519063"".uref"
47	"6519063"".bref"
48	"6519063".uref.
49	"6399405".PN.
50	"6304692".PN.
51	"6169838".PN.

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52	"6169838".PN.
53	"6097863".PN.
54	"6088496".PN.
55	"5675675".PN.
56	"6088496".PN.
57	"5355237".PN.
58	"5327450".PN.
59	"5026160".PN.
60	"5854700".PN.
61	"5799118".PN.
62	"5784507".PN.
63	"5773345".PN.
64	"5784507".PN.
65	"5684899".PN.
66	"5675675".PN.
67	"5600742".PN.
68	"5570226".PN.
69	"5526153".PN.
70	385/18.ccls. or 385/20-23.ccls.
71	S70 and S34
72	S23 S31 S33 S41
73	S72 and switch
74	S73 and (switch near4 output)
75	(US-20030161636-\$ or US-20030035622-\$ or US-20050018951-
	\$).did. or (US-5325221-\$ or US-5949931-\$ or US-6580850-\$ or
	US-6657723-\$ or US-6278810-\$ or US-5937113-\$ or US-
	6870976-\$ or US-5684899-\$).did.
76	S75 and switch